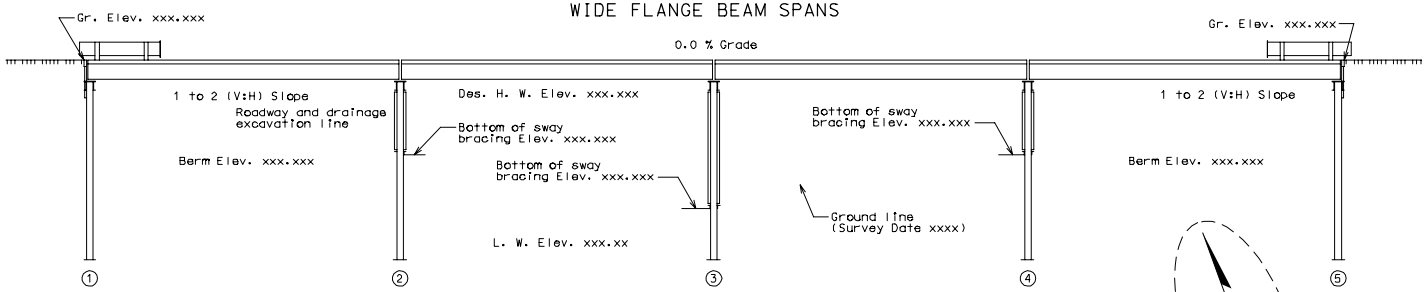
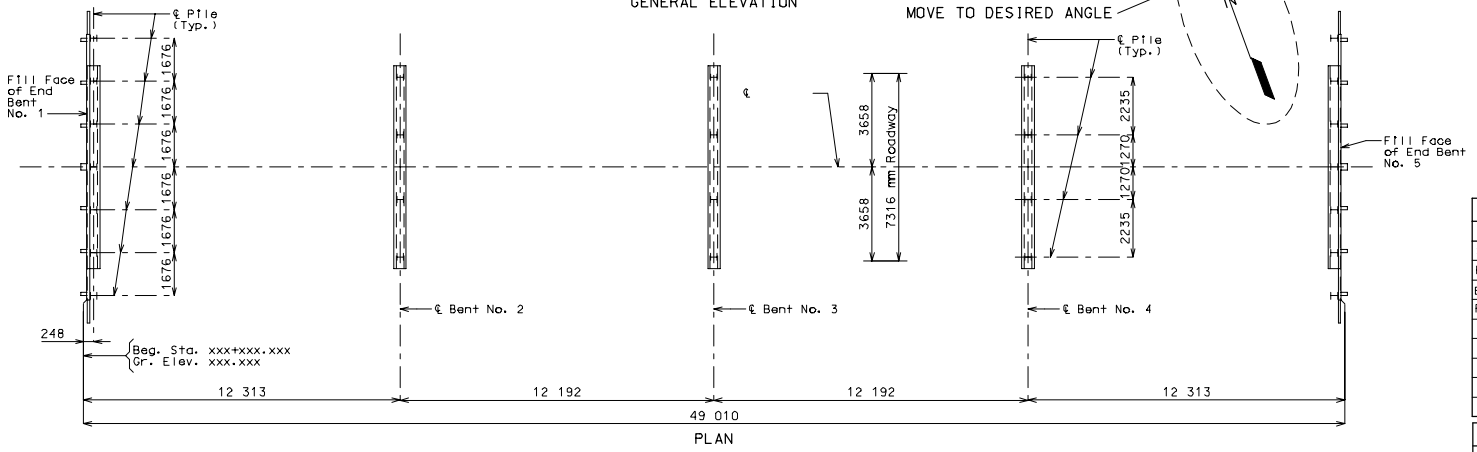
MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION

(4 @ 12 m) PREFABRICATED SIMPLE SEGMENTED WIDE FLANGE BEAM SPANS



GENERAL ELEVATION



MOVE TO DESIRED ANGLE

PLAN

" ⊕ " Indicates location of borings.

Notice and Disclaimer Regarding Boring Log Data

The locations of all subsurface borings for this structure are shown on the bridge plan sheet(s) for this structure. Boring data for the numbered locations is shown on sheet(s) no. . The boring data for all locations indicated, as well as any other boring logs or other factual records of subsurface data and investigations performed by the department for the design of the project, is available from the Project Contact upon written request as outlined in the Project Special Provisions. No greater significance or weight should be given to the boring data depicted on the plan sheets than is subsurface data available from the district or elsewhere.

The Commission does not represent or warrant that any such boring data accurately depicts the conditions to be encountered in constructing this project. A contractor assumes all risks it may encounter in basing its bid prices, time or schedule of performance on the boring data depicted here or those available from the district, or on any other documentation not expressly warranted, which the contractor may obtain from the Commission.

PILE DATA						
BENT NO.		1	2	3	4	5
Pile Type and Size		HP 360 x 108				
Number		7	4	4	4	7
Approximate Length	meters	XX	XX	XX	XX	XX
Design Bearing	kN	XX	XX	XX	XX	XX
Hammer Energy Required	kN-m	XXXX	XXXX	XXXX	XXXX	XXXX

Minimum energy requirement of hammer is based on plan length and design bearing value of piles.
All piles shall be driven to practical refusal.

Designed
Detailed
Checked

Note:

The superstructure only & cap beam units will be provided by the State and must be transported from _____ Maintenance Lot. It shall be returned and stored at the same location after Bridge No._____ is open to traffic.

NOTE TO DETAILER:
REMOVE THE BORING DATA NOTES IF DOES NOT APPLY.

LOCATION SKETCH

Sheet No. of

State	Proj. No.	Sheet No.
MO		
Sec./Sur.	Twp.	Rge.

GENERAL NOTES:

Design Specifications:
AASHTO - 1996 and Interims thru 2002
Seismic Performance Category " "
Acceleration Coefficient =

Design Loading:
M18
Earth 1900 kg/m³, Equivalent Fluid Pressure 7.0 kPa/m

Design Unit Stresses:
Structural Steel (ASTM A709M, Grade 345W) fy=345 MPa
Structural Carbon Steel (ASTM A709M, Grade 250) fy=250 MPa
Steel Pile (ASTM A709M, Grade 250) fb=62 MPa, fy=250 MPa
Structural Steel Tubing (ASTM A500) fy=317 MPa

Timber:
All timber shall be standard rough sawn. At the contractor's option, timber may be untreated or protected with commercially applied timber preservatives. All timber shall have a minimum strength of 10.3 MPa and shall be either douglas fir conforming to the requirements of Paragraph 123B (MC-19), 124B (MC-19) and 130BB of the Standard Grading Rules for West Coast Lumber, No. 16, December 01, 1976 revised edition; or Southern Pine conforming to the requirements of Paragraphs 312 (MC-19), 342 (MC-19) and 405.1 of the Southern Pine Inspection Bureau Grading Rules, 1977 edition; or a satisfactory grade of sound native oak.

Bolts:
All bolts shall be high strength, ASTM A325M, except as noted.

Dimensions:
All dimensions shown are in millimeters (mm) unless otherwise noted.
Drawings are not to scale. Follow dimensions.

Elevations:
All elevations shown are in meters (m) unless otherwise noted.

ESTIMATED QUANTITIES		
ITEM		TOTAL
Structural Steel Piles (360 mm)	meter	XXX
Furnishing Superstructure	lump sum	1
Erecting Superstructure	lump sum	1
Removing and Storing Superstructure	lump sum	1

HYDROLOGIC DATA	
Drainage Area	= xx.x sq. kilometer ( )
Des. Discharge	= xxxx cu. meter/s (xx years)
Des. H. W. Elev.	= xxx.x meters (xx years)
Estimated Backwater	= meters
BASIC FLOOD DATA	
Discharge	= xxxx cu. meter/s (xx years)
H. W. Elev.	= xxx.x meters
Estimated Backwater	= meters
OVERTOPPING FLOOD DATA	
Discharge	= xxxx cu. meter/s (xx years)

B.M.

TEMPORARY BRIDGE

STATE ROAD

ABOUT

PROJECT NO.

JOB. NO.

STA.

RTE.

COUNTY

Date: / /

CREATED IN MICROSTATION

STD. M

STD. M

TEM 1M